



0570  
1107

## **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10 035,833  
Source: OIP  
Date Processed by STIC: 11/19/02

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

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**FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.**

**FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.**

**PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)**

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**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

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1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
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OIPE

Does Not Comply  
Corrected Diskette Needed

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/035,833

DATE: 11/19/2002

TIME: 10:20:18

Input Set : D:\sequence list.txt

Output Set: N:\CRF4\11192002\J035833.raw

3 <110> APPLICANT: RIKEN  
4 Nakamura Yusuke  
5 Sekine Akihiro  
6 Iida Aritoshi  
7 Saito Susumu  
9 <120> TITLE OF INVENTION: Detection of Genetic Polymorphisms  
11 <130> FILE REFERENCE: PH-1479PCT  
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/035,833  
C--> 13 <141> CURRENT FILING DATE: 2001-12-27  
13 <150> PRIOR APPLICATION NUMBER: 10/035,833  
14 <151> PRIOR FILING DATE: 2001-12-27  
16 <160> NUMBER OF SEQ ID NOS: 7669  
18 <170> SOFTWARE: PatentIn Ver. 2.0

## ERRORED SEQUENCES

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13706 <400> SEQUENCE: 1658  
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19990 <213> ORGANISM: Homo sapiens  
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19992 <400> SEQUENCE: 2382  
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29139 <213> ORGANISM: Homo sapiens  
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E--> 29144 <210> SEQ ID NO: 3446  
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41 [n.o.1] delete

41

41

41

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/10/035,833

DATE: 11/19/2002  
 TIME: 10:20:22

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 Output Set: N:\CRF4\11192002\J035833.raw

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## RAW SEQUENCE LISTING

DATE: 11/19/2002

PATENT APPLICATION: US/10/035,833

TIME: 10:20:22

Input Set : D:\sequence list.txt

Output Set: N:\CRF4\11192002\J035833.raw

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29747 <213> ORGANISM: Homo sapiens
29749 <400> SEQUENCE: 3521
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30770 <212> TYPE: DNA
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30778 <212> TYPE: DNA
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30785 <211> LENGTH: 41
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30794 <212> TYPE: DNA
30795 <213> ORGANISM: Homo sapiens
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30824 <210> SEQ ID NO: 3656
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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/035,833

DATE: 11/19/2002

TIME: 10:20:22

Input Set : D:\sequence list.txt

Output Set: N:\CRF4\11192002\J035833.raw

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30842 <212> TYPE: DNA
30843 <213> ORGANISM: Homo sapiens
30845 <400> SEQUENCE: 3658
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30851 <213> ORGANISM: Homo sapiens
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45258 <213> ORGANISM: Homo sapiens
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## VARIABLE LOCATION SUMMARY

DATE: 11/19/2002

PATENT APPLICATION: US/10/035,833

TIME: 10:20:28

Input Set : D:\sequence list.txt

Output Set: N:\CRF4\11192002\J035833.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of &lt;220&gt; to &lt;223&gt; is MANDATORY if n's or Xaa's are present.

in &lt;220&gt; to &lt;223&gt; section, please explain location of n or Xaa, and which residue n or Xaa represents. }

Seq#:39; N Pos. 21  
Seq#:64; N Pos. 21  
Seq#:580; N Pos. 21  
Seq#:634; N Pos. 21  
Seq#:656; N Pos. 21  
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## VARIABLE LOCATION SUMMARY

PATENT APPLICATION: US/10/035,833

DATE: 11/19/2002

TIME: 10:20:28

Input Set : D:\sequence list.txt

Output Set : N:\CRF4\11192002\J035833.raw

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## VARIABLE LOCATION SUMMARY

DATE: 11/19/2002

PATENT APPLICATION: US/10/035,833

TIME: 10:20:28

Input Set : D:\sequence list.txt

Output Set: N:\CRF4\11192002\J035833.raw

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## VARIABLE LOCATION SUMMARY

DATE: 11/19/2002

PATENT APPLICATION: US/10/035,833

TIME: 10:20:28

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Output Set: N:\CRF4\11192002\J035833.raw

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## VARIABLE LOCATION SUMMARY

DATE: 11/19/2002

PATENT APPLICATION: US/10/035,833

TIME: 10:20:28

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Output Set: N:\CRF4\11192002\J035833.raw

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## VARIABLE LOCATION SUMMARY

DATE: 11/19/2002

PATENT APPLICATION: US/10/035,833

TIME: 10:20:28

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## VARIABLE LOCATION SUMMARY

DATE: 11/19/2002

PATENT APPLICATION: US/10/035,833

TIME: 10:20:28

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Seq#:3081; N Pos. 21  
Seq#:3103; N Pos. 21  
Seq#:3119; N Pos. 21  
Seq#:3125; N Pos. 21  
Seq#:3130; N Pos. 21  
Seq#:3140; N Pos. 21  
Seq#:3154; N Pos. 21  
Seq#:3156; N Pos. 21  
Seq#:3158; N Pos. 21  
Seq#:3169; N Pos. 21  
Seq#:3179; N Pos. 21  
Seq#:3184; N Pos. 21  
Seq#:3196; N Pos. 21  
Seq#:3273; N Pos. 21  
Seq#:3306; N Pos. 21  
Seq#:3310; N Pos. 21  
Seq#:3315; N Pos. 21  
Seq#:3317; N Pos. 21  
Seq#:3352; N Pos. 21  
Seq#:3355; N Pos. 21  
Seq#:3358; N Pos. 21  
Seq#:3510; N Pos. 21  
Seq#:3512; N Pos. 21  
Seq#:3513; N Pos. 21  
Seq#:3514; N Pos. 21  
Seq#:3515; N Pos. 21  
Seq#:3517; N Pos. 21  
Seq#:3519; N Pos. 21  
Seq#:3521; N Pos. 21  
Seq#:3649; N Pos. 21  
Seq#:3650; N Pos. 21  
Seq#:3651; N Pos. 21  
Seq#:3652; N Pos. 21  
Seq#:3653; N Pos. 21  
Seq#:3654; N Pos. 21  
Seq#:3655; N Pos. 21  
Seq#:3656; N Pos. 21  
Seq#:3658; N Pos. 21  
Seq#:3659; N Pos. 21  
Seq#:3660; N Pos. 21  
Seq#:3661; N Pos. 21  
Seq#:3663; N Pos. 21  
Seq#:3664; N Pos. 21

## VARIABLE LOCATION SUMMARY

DATE: 11/19/2002

PATENT APPLICATION: US/10/035,833

TIME: 10:20:28

Input Set : D:\sequence list.txt

Output Set: N:\CRF4\11192002\J035833.raw

Seq#:3665; N Pos. 21  
Seq#:3666; N Pos. 21  
Seq#:3667; N Pos. 21  
Seq#:3668; N Pos. 21  
Seq#:3669; N Pos. 21  
Seq#:3671; N Pos. 21  
Seq#:3672; N Pos. 21  
Seq#:3673; N Pos. 21  
Seq#:3674; N Pos. 21  
Seq#:3675; N Pos. 21  
Seq#:3676; N Pos. 21  
Seq#:3677; N Pos. 21  
Seq#:3679; N Pos. 21  
Seq#:3680; N Pos. 21  
Seq#:3681; N Pos. 21  
Seq#:3682; N Pos. 21  
Seq#:3683; N Pos. 21  
Seq#:3684; N Pos. 21  
Seq#:3685; N Pos. 21  
Seq#:3686; N Pos. 21  
Seq#:3751; N Pos. 21  
Seq#:3752; N Pos. 21  
Seq#:3753; N Pos. 21  
Seq#:3754; N Pos. 21  
Seq#:3833; N Pos. 21  
Seq#:3834; N Pos. 21  
Seq#:3835; N Pos. 21  
Seq#:3836; N Pos. 21  
Seq#:3837; N Pos. 21  
Seq#:3838; N Pos. 21  
Seq#:3839; N Pos. 21  
Seq#:3840; N Pos. 21  
Seq#:3841; N Pos. 21  
Seq#:3842; N Pos. 21  
Seq#:3843; N Pos. 21  
Seq#:3844; N Pos. 21  
Seq#:3845; N Pos. 21  
Seq#:3846; N Pos. 21  
Seq#:3847; N Pos. 21  
Seq#:3848; N Pos. 21  
Seq#:3857; N Pos. 21  
Seq#:3879; N Pos. 21  
Seq#:3885; N Pos. 21  
Seq#:3915; N Pos. 21  
Seq#:3918; N Pos. 21  
Seq#:3926; N Pos. 21  
Seq#:3933; N Pos. 21  
Seq#:3950; N Pos. 21  
Seq#:3953; N Pos. 21

**VARIABLE LOCATION SUMMARY**

DATE: 11/19/2002

PATENT APPLICATION: US/10/035,833

TIME: 10:20:28

Input Set : D:\sequence list.txt

Output Set: N:\CRF4\11192002\J035833.raw

Seq#:3962; N Pos. 21  
Seq#:3984; N Pos. 21  
Seq#:3991; N Pos. 21  
Seq#:3994; N Pos. 21  
Seq#:3996; N Pos. 21  
Seq#:3998; N Pos. 21  
Seq#:4001; N Pos. 21  
Seq#:4004; N Pos. 21  
Seq#:4030; N Pos. 21  
Seq#:4037; N Pos. 21  
Seq#:4042; N Pos. 21  
Seq#:4049; N Pos. 21  
Seq#:4052; N Pos. 21  
Seq#:4054; N Pos. 21  
Seq#:4058; N Pos. 21  
Seq#:4067; N Pos. 21  
Seq#:4069; N Pos. 21  
Seq#:4070; N Pos. 21  
Seq#:4077; N Pos. 21  
Seq#:4079; N Pos. 21  
Seq#:4084; N Pos. 21  
Seq#:4085; N Pos. 21  
Seq#:4089; N Pos. 21  
Seq#:4092; N Pos. 21  
Seq#:4102; N Pos. 21  
Seq#:4109; N Pos. 21  
Seq#:4113; N Pos. 21  
Seq#:4115; N Pos. 21  
Seq#:4117; N Pos. 21  
Seq#:4121; N Pos. 21  
Seq#:4126; N Pos. 21  
Seq#:4129; N Pos. 21  
Seq#:4173; N Pos. 21  
Seq#:4175; N Pos. 21  
Seq#:4183; N Pos. 21  
Seq#:4188; N Pos. 21  
Seq#:4190; N Pos. 21  
Seq#:4193; N Pos. 21  
Seq#:4198; N Pos. 21  
Seq#:4218; N Pos. 21  
Seq#:4224; N Pos. 21  
Seq#:4229; N Pos. 21  
Seq#:4234; N Pos. 21  
Seq#:4235; N Pos. 21  
Seq#:4238; N Pos. 21  
Seq#:4239; N Pos. 21  
Seq#:4259; N Pos. 21  
Seq#:4273; N Pos. 21  
Seq#:4280; N Pos. 21

VARIABLE LOCATION SUMMARY  
PATENT APPLICATION: US/10/035,833

DATE: 11/19/2002  
TIME: 10:20:28

Input Set : D:\sequence list.txt  
Output Set: N:\CRF4\11192002\J035833.raw

Seq#:4294; N Pos. 21  
Seq#:4298; N Pos. 21  
Seq#:4310; N Pos. 21  
Seq#:4314; N Pos. 21  
Seq#:4315; N Pos. 21  
Seq#:4316; N Pos. 21  
Seq#:4317; N Pos. 21  
Seq#:4319; N Pos. 21  
Seq#:4320; N Pos. 21  
Seq#:4325; N Pos. 21  
Seq#:4331; N Pos. 21  
Seq#:4333; N Pos. 21  
Seq#:4334; N Pos. 21  
Seq#:4345; N Pos. 21  
Seq#:4348; N Pos. 21  
Seq#:4354; N Pos. 21  
Seq#:4361; N Pos. 21  
Seq#:4372; N Pos. 21  
Seq#:4391; N Pos. 21  
Seq#:4397; N Pos. 21  
Seq#:4398; N Pos. 21  
Seq#:4408; N Pos. 21  
Seq#:4414; N Pos. 21  
Seq#:4416; N Pos. 21  
Seq#:4419; N Pos. 21  
Seq#:4424; N Pos. 21  
Seq#:4425; N Pos. 21  
Seq#:4433; N Pos. 21  
Seq#:4435; N Pos. 21  
Seq#:4442; N Pos. 21  
Seq#:4443; N Pos. 21  
Seq#:4448; N Pos. 21  
Seq#:4449; N Pos. 21  
Seq#:4452; N Pos. 21  
Seq#:4453; N Pos. 21  
Seq#:4457; N Pos. 21  
Seq#:4460; N Pos. 21  
Seq#:4466; N Pos. 21  
Seq#:4469; N Pos. 21  
Seq#:4472; N Pos. 21  
Seq#:4473; N Pos. 21  
Seq#:4474; N Pos. 21  
Seq#:4477; N Pos. 21  
Seq#:4479; N Pos. 21  
Seq#:4486; N Pos. 21  
Seq#:4514; N Pos. 21  
Seq#:4544; N Pos. 21  
Seq#:4552; N Pos. 21  
Seq#:4565; N Pos. 21

## VARIABLE LOCATION SUMMARY

PATENT APPLICATION: US/10/035,833

DATE: 11/19/2002

TIME: 10:20:28

Input Set : D:\sequence list.txt

Output Set : N:\CRF4\11192002\J035833.raw

Seq#:4575; N Pos. 21  
Seq#:4576; N Pos. 21  
Seq#:4588; N Pos. 21  
Seq#:4589; N Pos. 21  
Seq#:4590; N Pos. 21  
Seq#:4597; N Pos. 21  
Seq#:4600; N Pos. 21  
Seq#:4603; N Pos. 21  
Seq#:4606; N Pos. 21  
Seq#:4607; N Pos. 21  
Seq#:4610; N Pos. 21  
Seq#:4615; N Pos. 21  
Seq#:4627; N Pos. 21  
Seq#:4652; N Pos. 21  
Seq#:4653; N Pos. 21  
Seq#:4654; N Pos. 21  
Seq#:4655; N Pos. 21  
Seq#:4657; N Pos. 21  
Seq#:4658; N Pos. 21  
Seq#:4660; N Pos. 21  
Seq#:4661; N Pos. 21  
Seq#:4662; N Pos. 21  
Seq#:4663; N Pos. 21  
Seq#:4664; N Pos. 21  
Seq#:4665; N Pos. 21  
Seq#:4666; N Pos. 21  
Seq#:4758; N Pos. 21  
Seq#:4760; N Pos. 21  
Seq#:4761; N Pos. 21  
Seq#:4763; N Pos. 21  
Seq#:4764; N Pos. 21  
Seq#:4765; N Pos. 21  
Seq#:4766; N Pos. 21  
Seq#:4768; N Pos. 21  
Seq#:4808; N Pos. 21  
Seq#:4809; N Pos. 21  
Seq#:4810; N Pos. 21  
Seq#:4811; N Pos. 21  
Seq#:4847; N Pos. 21  
Seq#:4848; N Pos. 21  
Seq#:4849; N Pos. 21  
Seq#:4850; N Pos. 21  
Seq#:4851; N Pos. 21  
Seq#:4877; N Pos. 21  
Seq#:4878; N Pos. 21  
Seq#:4879; N Pos. 21  
Seq#:4880; N Pos. 21  
Seq#:4881; N Pos. 21  
Seq#:4883; N Pos. 21



## VARIABLE LOCATION SUMMARY

DATE: 11/19/2002

PATENT APPLICATION: US/10/035,833

TIME: 10:20:28

Input Set : D:\sequence list.txt

Output Set: N:\CRF4\11192002\J035833.raw

Seq#:4884; N Pos. 21  
Seq#:4891; N Pos. 21  
Seq#:4892; N Pos. 21  
Seq#:4893; N Pos. 21  
Seq#:4894; N Pos. 21  
Seq#:4895; N Pos. 21  
Seq#:4897; N Pos. 21  
Seq#:4898; N Pos. 21  
Seq#:4899; N Pos. 21  
Seq#:4900; N Pos. 21  
Seq#:4901; N Pos. 21  
Seq#:4902; N Pos. 21  
Seq#:4907; N Pos. 21  
Seq#:4908; N Pos. 21  
Seq#:4909; N Pos. 21  
Seq#:4910; N Pos. 21  
Seq#:4918; N Pos. 21  
Seq#:4919; N Pos. 21  
Seq#:4936; N Pos. 21  
Seq#:4938; N Pos. 21  
Seq#:4983; N Pos. 21  
Seq#:4985; N Pos. 21  
Seq#:4986; N Pos. 21  
Seq#:4987; N Pos. 21  
Seq#:4988; N Pos. 21  
Seq#:5076; N Pos. 21  
Seq#:5078; N Pos. 21  
Seq#:5080; N Pos. 21  
Seq#:5081; N Pos. 21  
Seq#:5082; N Pos. 21  
Seq#:5083; N Pos. 21  
Seq#:5084; N Pos. 21  
Seq#:5085; N Pos. 21  
Seq#:5086; N Pos. 21  
Seq#:5087; N Pos. 21  
Seq#:5088; N Pos. 21  
Seq#:5090; N Pos. 21  
Seq#:5091; N Pos. 21  
Seq#:5092; N Pos. 21  
Seq#:5093; N Pos. 21  
Seq#:5094; N Pos. 21  
Seq#:5095; N Pos. 21  
Seq#:5096; N Pos. 21  
Seq#:5097; N Pos. 21  
Seq#:5155; N Pos. 21  
Seq#:5156; N Pos. 21  
Seq#:5157; N Pos. 21  
Seq#:5158; N Pos. 21  
Seq#:5160; N Pos. 21

## VARIABLE LOCATION SUMMARY

PATENT APPLICATION: US/10/035,833

DATE: 11/19/2002

TIME: 10:20:28

Input Set : D:\sequence list.txt

Output Set: N:\CRF4\11192002\J035833.raw

Seq#:5161; N Pos. 21  
Seq#:5162; N Pos. 21  
Seq#:5163; N Pos. 21  
Seq#:5164; N Pos. 21  
Seq#:5165; N Pos. 21  
Seq#:5166; N Pos. 21  
Seq#:5167; N Pos. 21  
Seq#:5168; N Pos. 21  
Seq#:5169; N Pos. 21  
Seq#:5170; N Pos. 21  
Seq#:5187; N Pos. 21  
Seq#:5189; N Pos. 21  
Seq#:5209; N Pos. 21  
Seq#:5210; N Pos. 21  
Seq#:5212; N Pos. 21  
Seq#:5218; N Pos. 21  
Seq#:5227; N Pos. 21  
Seq#:5231; N Pos. 21  
Seq#:5246; N Pos. 21  
Seq#:5247; N Pos. 21  
Seq#:5249; N Pos. 21  
Seq#:5255; N Pos. 21  
Seq#:5256; N Pos. 21  
Seq#:5257; N Pos. 21  
Seq#:5258; N Pos. 21  
Seq#:5261; N Pos. 21  
Seq#:5264; N Pos. 21  
Seq#:5271; N Pos. 21  
Seq#:5276; N Pos. 21  
Seq#:5277; N Pos. 21  
Seq#:5278; N Pos. 21  
Seq#:5299; N Pos. 21  
Seq#:5308; N Pos. 21  
Seq#:5311; N Pos. 21  
Seq#:5312; N Pos. 21  
Seq#:5314; N Pos. 21  
Seq#:5320; N Pos. 21  
Seq#:5340; N Pos. 21  
Seq#:5400; N Pos. 21  
Seq#:5404; N Pos. 21  
Seq#:5407; N Pos. 21  
Seq#:5410; N Pos. 21  
Seq#:5436; N Pos. 21  
Seq#:5445; N Pos. 21  
Seq#:5550; N Pos. 21  
Seq#:5556; N Pos. 21  
Seq#:5557; N Pos. 21  
Seq#:5559; N Pos. 21  
Seq#:5561; N Pos. 21

**VARIABLE LOCATION SUMMARY**PATENT APPLICATION: **US/10/035,833**

DATE: 11/19/2002

TIME: 10:20:28

Input Set : **D:\sequence list.txt**Output Set: **N:\CRF4\11192002\J035833.raw**

Seq#:5564; N Pos. 21  
Seq#:5566; N Pos. 21  
Seq#:5570; N Pos. 21  
Seq#:5575; N Pos. 21  
Seq#:5579; N Pos. 21  
Seq#:5583; N Pos. 21  
Seq#:5591; N Pos. 21  
Seq#:5614; N Pos. 21  
Seq#:5630; N Pos. 21  
Seq#:5636; N Pos. 21  
Seq#:5641; N Pos. 21  
Seq#:5651; N Pos. 21  
Seq#:5665; N Pos. 21  
Seq#:5667; N Pos. 21  
Seq#:5669; N Pos. 21  
Seq#:5680; N Pos. 21  
Seq#:5690; N Pos. 21  
Seq#:5695; N Pos. 21  
Seq#:5707; N Pos. 21  
Seq#:5740; N Pos. 21  
Seq#:5800; N Pos. 21  
Seq#:5806; N Pos. 21  
Seq#:5807; N Pos. 21  
Seq#:5835; N Pos. 21  
Seq#:5839; N Pos. 21  
Seq#:5844; N Pos. 21  
Seq#:5846; N Pos. 21  
Seq#:5849; N Pos. 21  
Seq#:5884; N Pos. 21  
Seq#:5890; N Pos. 21  
Seq#:5902; N Pos. 21  
Seq#:5904; N Pos. 21  
Seq#:5917; N Pos. 21  
Seq#:5921; N Pos. 21  
Seq#:5922; N Pos. 21  
Seq#:5934; N Pos. 21  
Seq#:5965; N Pos. 21  
Seq#:5980; N Pos. 21  
Seq#:5981; N Pos. 21  
Seq#:5986; N Pos. 21  
Seq#:5987; N Pos. 21  
Seq#:5989; N Pos. 21  
Seq#:5991; N Pos. 21  
Seq#:5992; N Pos. 21  
Seq#:5994; N Pos. 21  
Seq#:5995; N Pos. 21  
Seq#:5996; N Pos. 21  
Seq#:6001; N Pos. 21  
Seq#:6003; N Pos. 21

## VARIABLE LOCATION SUMMARY

DATE: 11/19/2002

PATENT APPLICATION: US/10/035,833

TIME: 10:20:28

Input Set : D:\sequence list.txt

Output Set: N:\CRF4\11192002\J035833.raw

Seq#:6009; N Pos. 21  
Seq#:6021; N Pos. 21  
Seq#:6027; N Pos. 21  
Seq#:6036; N Pos. 21  
Seq#:6041; N Pos. 21  
Seq#:6047; N Pos. 21  
Seq#:6051; N Pos. 21  
Seq#:6052; N Pos. 21  
Seq#:6060; N Pos. 21  
Seq#:6061; N Pos. 21  
Seq#:6062; N Pos. 21  
Seq#:6072; N Pos. 21  
Seq#:6073; N Pos. 21  
Seq#:6089; N Pos. 21  
Seq#:6090; N Pos. 21  
Seq#:6091; N Pos. 21  
Seq#:6173; N Pos. 21  
Seq#:6174; N Pos. 21  
Seq#:6175; N Pos. 21  
Seq#:6176; N Pos. 21  
Seq#:6177; N Pos. 21  
Seq#:6178; N Pos. 21  
Seq#:6179; N Pos. 21  
Seq#:6180; N Pos. 21  
Seq#:6181; N Pos. 21  
Seq#:6182; N Pos. 21  
Seq#:6202; N Pos. 21  
Seq#:6204; N Pos. 21  
Seq#:6205; N Pos. 21  
Seq#:6208; N Pos. 21  
Seq#:6224; N Pos. 21  
Seq#:6307; N Pos. 21  
Seq#:6308; N Pos. 21  
Seq#:6310; N Pos. 21  
Seq#:6311; N Pos. 21  
Seq#:6312; N Pos. 21  
Seq#:6313; N Pos. 21  
Seq#:6314; N Pos. 21  
Seq#:6315; N Pos. 21  
Seq#:6317; N Pos. 21  
Seq#:6318; N Pos. 21  
Seq#:6320; N Pos. 21  
Seq#:6322; N Pos. 21  
Seq#:6323; N Pos. 21  
Seq#:6405; N Pos. 22  
Seq#:6415; N Pos. 21  
Seq#:6416; N Pos. 21  
Seq#:6472; N Pos. 21  
Seq#:6473; N Pos. 21

## VARIABLE LOCATION SUMMARY

PATENT APPLICATION: US/10/035,833

DATE: 11/19/2002

TIME: 10:20:28

Input Set : D:\sequence list.txt

Output Set: N:\CRF4\11192002\J035833.raw

Seq#:6554; N Pos. 21  
Seq#:6555; N Pos. 21  
Seq#:6609; N Pos. 21  
Seq#:6610; N Pos. 21  
Seq#:6725; N Pos. 21  
Seq#:6726; N Pos. 21  
Seq#:6728; N Pos. 21  
Seq#:6739; N Pos. 21  
Seq#:6748; N Pos. 21  
Seq#:6750; N Pos. 21  
Seq#:6751; N Pos. 21  
Seq#:6757; N Pos. 21  
Seq#:6759; N Pos. 21  
Seq#:6771; N Pos. 21  
Seq#:6772; N Pos. 21  
Seq#:6773; N Pos. 21  
Seq#:6785; N Pos. 21  
Seq#:6786; N Pos. 21  
Seq#:6787; N Pos. 21  
Seq#:6828; N Pos. 21  
Seq#:6830; N Pos. 21  
Seq#:6831; N Pos. 21  
Seq#:6832; N Pos. 21  
Seq#:6833; N Pos. 21  
Seq#:6834; N Pos. 21  
Seq#:6835; N Pos. 21  
Seq#:6837; N Pos. 21  
Seq#:6839; N Pos. 21  
Seq#:6841; N Pos. 21  
Seq#:6870; N Pos. 21  
Seq#:6871; N Pos. 21  
Seq#:6872; N Pos. 21  
Seq#:6873; N Pos. 21  
Seq#:6874; N Pos. 21  
Seq#:6876; N Pos. 21  
Seq#:6877; N Pos. 21  
Seq#:6878; N Pos. 21  
Seq#:6880; N Pos. 21  
Seq#:6881; N Pos. 21  
Seq#:6894; N Pos. 21  
Seq#:6897; N Pos. 21  
Seq#:6921; N Pos. 21  
Seq#:6940; N Pos. 21  
Seq#:6941; N Pos. 21  
Seq#:6942; N Pos. 21  
Seq#:6965; N Pos. 21  
Seq#:6966; N Pos. 21  
Seq#:6967; N Pos. 21  
Seq#:6997; N Pos. 21

## VARIABLE LOCATION SUMMARY

DATE: 11/19/2002

PATENT APPLICATION: US/10/035,833

TIME: 10:20:28

Input Set : D:\sequence list.txt

Output Set: N:\CRF4\11192002\J035833.raw

Seq#:7005; N Pos. 21  
Seq#:7006; N Pos. 21  
Seq#:7017; N Pos. 21  
Seq#:7049; N Pos. 21  
Seq#:7053; N Pos. 21  
Seq#:7059; N Pos. 21  
Seq#:7070; N Pos. 21  
Seq#:7073; N Pos. 21  
Seq#:7074; N Pos. 21  
Seq#:7076; N Pos. 21  
Seq#:7077; N Pos. 21  
Seq#:7078; N Pos. 21  
Seq#:7079; N Pos. 21  
Seq#:7082; N Pos. 21  
Seq#:7085; N Pos. 21  
Seq#:7089; N Pos. 21  
Seq#:7101; N Pos. 21  
Seq#:7105; N Pos. 21  
Seq#:7114; N Pos. 21  
Seq#:7115; N Pos. 21  
Seq#:7117; N Pos. 21  
Seq#:7118; N Pos. 21  
Seq#:7120; N Pos. 21  
Seq#:7121; N Pos. 21  
Seq#:7123; N Pos. 21  
Seq#:7125; N Pos. 21  
Seq#:7127; N Pos. 21  
Seq#:7134; N Pos. 21  
Seq#:7146; N Pos. 21  
Seq#:7148; N Pos. 21  
Seq#:7164; N Pos. 21  
Seq#:7186; N Pos. 21  
Seq#:7209; N Pos. 21  
Seq#:7238; N Pos. 21  
Seq#:7278; N Pos. 21  
Seq#:7281; N Pos. 21  
Seq#:7282; N Pos. 21  
Seq#:7287; N Pos. 21  
Seq#:7288; N Pos. 21  
Seq#:7299; N Pos. 21  
Seq#:7329; N Pos. 21  
Seq#:7332; N Pos. 21  
Seq#:7333; N Pos. 21  
Seq#:7346; N Pos. 21  
Seq#:7375; N Pos. 21  
Seq#:7381; N Pos. 21  
Seq#:7383; N Pos. 21  
Seq#:7385; N Pos. 21  
Seq#:7387; N Pos. 21

## VARIABLE LOCATION SUMMARY

DATE: 11/19/2002

PATENT APPLICATION: US/10/035,833

TIME: 10:20:28

Input Set : D:\sequence list.txt

Output Set: N:\CRF4\11192002\J035833.raw

Seq#:7389; N Pos. 21  
Seq#:7390; N Pos. 21  
Seq#:7397; N Pos. 21  
Seq#:7417; N Pos. 21  
Seq#:7421; N Pos. 21  
Seq#:7426; N Pos. 21  
Seq#:7434; N Pos. 21  
Seq#:7436; N Pos. 21  
Seq#:7443; N Pos. 21  
Seq#:7458; N Pos. 21  
Seq#:7461; N Pos. 21  
Seq#:7483; N Pos. 21  
Seq#:7485; N Pos. 21  
Seq#:7488; N Pos. 21  
Seq#:7489; N Pos. 21  
Seq#:7493; N Pos. 21  
Seq#:7495; N Pos. 21  
Seq#:7497; N Pos. 21  
Seq#:7503; N Pos. 21  
Seq#:7510; N Pos. 21  
Seq#:7519; N Pos. 21  
Seq#:7520; N Pos. 21  
Seq#:7531; N Pos. 21  
Seq#:7538; N Pos. 21  
Seq#:7566; N Pos. 21  
Seq#:7615; N Pos. 21  
Seq#:7649; N Pos. 21  
Seq#:7651; N Pos. 21  
Seq#:7667; N Pos. 21

## VERIFICATION SUMMARY

DATE: 11/19/2002

PATENT APPLICATION: US/10/035,833

TIME: 10:20:28

Input Set : D:\sequence list.txt

Output Set: N:\CRF4\11192002\J035833.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No  
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:330 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:39  
L:335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0  
L:535 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:64  
L:540 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:0  
L:4668 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:580  
L:4673 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:580 after pos.:0  
L:5105 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:634  
L:5110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:634 after pos.:0  
L:5286 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:656  
L:5291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:656 after pos.:0  
L:5307 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:658  
L:5312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:658 after pos.:0  
L:5416 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:671  
L:5421 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:671 after pos.:0  
L:5429 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:672  
L:5434 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:672 after pos.:0  
L:5442 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:673  
L:5447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:673 after pos.:0  
L:5455 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:674  
L:5460 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:674 after pos.:0  
L:5476 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:676  
L:5481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:676 after pos.:0  
L:5489 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:677  
L:5494 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:677 after pos.:0  
L:6358 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:785  
L:6363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:785 after pos.:0  
L:6459 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:797  
L:6464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:797 after pos.:0  
L:6536 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:806  
L:6541 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:806 after pos.:0  
L:6557 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:808  
L:6562 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:808 after pos.:0  
L:6570 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:809  
L:6575 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:809 after pos.:0  
L:6623 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:815  
L:6628 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:815 after pos.:0  
L:6732 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:828  
L:6737 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:828 after pos.:0  
L:6753 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:830  
L:6758 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:830 after pos.:0  
L:6766 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:831  
L:6771 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:831 after pos.:0  
L:6867 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:843  
L:6872 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:843 after pos.:0  
L:6888 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:845  
L:6893 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:845 after pos.:0



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L:7237 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:888  
L:7242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:888 after pos.:0  
L:7258 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:890  
L:7263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:890 after pos.:0  
L:7447 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:913  
L:7452 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:913 after pos.:0  
L:7604 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:932  
L:7609 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:932 after pos.:0  
L:7617 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:933  
L:7622 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:933 after pos.:0  
L:7798 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:955  
L:7803 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:955 after pos.:0  
L:7811 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:956  
L:7816 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:956 after pos.:0  
L:7824 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:957  
L:7829 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:957 after pos.:0  
L:8069 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:987  
L:8074 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:987 after pos.:0  
L:8170 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:999  
L:8175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:999 after pos.:0  
L:9495 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1164  
L:9500 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1164 after pos.:0  
L:9516 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1166  
L:9521 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1166 after pos.:0  
L:9529 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1167  
L:9534 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1167 after pos.:0  
L:9542 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1168  
L:9547 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1168 after pos.:0  
L:9555 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1169  
L:9560 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1169 after pos.:0  
L:9576 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1171  
L:9581 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1171 after pos.:0  
L:9597 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1173  
L:9602 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1173 after pos.:0  
L:9618 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1175  
L:9623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1175 after pos.:0  
L:9823 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1200  
L:9828 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1200 after pos.:0  
L:9860 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1204  
L:9865 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1204 after pos.:0  
L:9889 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1207  
L:9894 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1207 after pos.:0  
L:9918 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1210  
L:9923 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1210 after pos.:0  
L:10203 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1245  
L:10208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1245 after pos.:0  
L:10232 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1248  
L:10237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1248 after pos.:0  
L:10245 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1249

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L:10250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1249 after pos.:0  
L:10266 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1251  
L:10271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1251 after pos.:0  
L:10279 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1252  
L:10284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1252 after pos.:0  
L:13707 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1658  
L:13707 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:47 SEQ:1658  
L:13707 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:8  
L:13707 M:112 C: (48) String data converted to lower case,  
L:13707 M:252 E: No. of Seq. differs, <211> LENGTH:Input:41 Found:47 SEQ:1658  
L:19992 M:282 W: Numeric Field Identifier Missing, <211> is required.  
L:19993 M:252 E: No. of Seq. differs, <211> LENGTH:Input:0 Found:41 SEQ:2382  
L:21820 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2596  
L:29136 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO: 85  
L:29141 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:85 differs:3445  
L:29144 M:216 E: (34) Seq.#s missing, SEQ ID NOS: 86 thru 3445  
L:29261 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:3460  
differs:3450  
L:29662 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3510  
L:29678 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3512  
L:29686 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3513  
L:29694 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3514  
L:29702 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3515  
L:29718 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3517  
L:29734 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3519  
L:29750 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3521  
L:30774 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3649  
L:30782 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3650  
L:30790 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3651  
L:30798 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3652  
L:30806 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3653  
L:30814 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3654  
L:30822 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3655  
L:30830 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3656  
L:30846 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3658  
L:30854 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3659  
L:30862 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3660  
L:30870 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3661  
L:30886 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3663  
L:30894 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3664  
L:30902 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3665  
L:30910 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3666  
L:30918 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3667  
L:30926 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3668  
L:30934 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3669  
L:30950 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3671  
L:30958 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3672  
L:30966 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3673  
L:30974 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3674  
L:30982 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3675

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L:30990 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3676  
L:30998 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3677  
L:31014 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3679  
L:31022 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3680  
L:31030 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3681  
L:31038 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3682  
L:31046 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3683  
L:31054 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3684  
L:31062 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3685  
L:31070 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3686  
L:31590 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3751  
L:31598 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3752  
L:31606 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3753  
L:31614 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3754  
L:32246 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3833  
L:32254 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3834  
L:45255 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO: 4560  
L:45260 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:4560  
differs:5460  
L:45263 M:216 E: (34) Seq.#s missing, SEQ ID NOS: 4561 thru 5460  
L:45271 M:216 E: (34) Seq.#s missing, SEQ ID NOS: 5462 thru 5641  
L:45276 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:5642  
differs:5462  
L:45279 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO: 5463  
L:45444 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:5483  
differs:2123  
L:64245 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1  
L:64246 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:7669